

Invitation to the block course

“Energy Methods in Material Modeling”

Course dates:



An introduction to the course will be given in the first session on **October 24th, 2015**, starting **10:00**.

All course sessions will take place in IC 03 / 604.

Course dates: two Saturdays (24.10.15, 28.11.15), 10:00-18:00 + Thursdays (29.10., 05.11., 12.11., 19.11., 26.11.), 17:00-21:00

Target group:

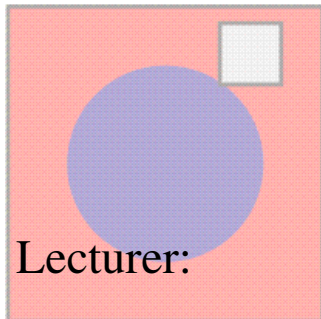


Master students (e.g. 2nd semester “Maschinenbau”, 3rd semester “Computational Engineering” / “Materials Science and Simulation”), PhD students

Contents:

- Description of material behavior via energy densities
- Mathematical concepts for studying energy densities
- Application to the example of phase transforming materials (e.g. shape memory alloys, TRIP steels)

Lecturer:



Priv.-Doz. Dr.-Ing. Rainer Fechte-Heinen (rainer.fechte-heinen@rub.de), Head of Ideation, Technology & Innovation, ThyssenKrupp Steel Europe

Registration:

e-learning.rub.de → course ID: 127510-ws15

